



**PEAVEY®**  
ARCHITECTURAL ACOUSTICS®

# MPA™ 700T

## Mixer/Preamp

### SPECIFICATIONS

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##### OUTPUT POWER:

+4 dBm (rated output)  
+19 dBm (maximum)

##### POWER BANDWIDTH:

43-20 kHz, +19 dBm, < 0.5% THD  
40-20 kHz, +17 dBm, < 0.25%  
THD

##### FREQUENCY RESPONSE:

20-20 kHz ± 1 dB

##### THD:

0.05% at 1 kHz, +19 dBm output

##### S/N RATIO:

Master volume min. 100 dB  
Master volume max. 77 dB

##### TONE CONTROLS:

Bass ± 10 dB @ 100 Hz  
Treble ± 10 dB @ 10 kHz

##### CONTOUR:

+6 dB @ 100 Hz  
+6 dB @ 10 kHz

##### INPUTS:

Six input ports, each accepts any input/output module; one dedicated program input (dual RCA phono jacks), bridge in/out

##### INPUT SENSITIVITY:

Ports 1-6 and PGM: 100 mV @ 10K ohms  
Bridge in/out: 100mV/3.3K ohms

##### OUTPUTS:

Main: +4 dBu @ 600 ohms  
(balanced)  
Aux: +3 dBu @ 10K ohms  
(unbalanced)

##### CONTROLS:

7 input gain controls, 1 bass control,  
1 treble control, 1 contour switch, 1  
master gain control, 1 power switch,  
1 EQ defeat switch

##### INDICATORS:

Power LED, bicolor (green/red) status  
LED

##### PROTECTION:

AC line fuse (external)

##### CONNECTORS:

PGM input, bridge in/out, AUX out,  
RCA phono jack  
Ports 1-6 - card edge connector  
600 ohm output - screw terminals  
Mute - screw terminals  
AC line cord - SJT, 3 prong  
AC outlet - 3 prong

##### POWER CONSUMPTION:

120 volts AC, 60 Hz, 15 watts

##### DIMENSIONS:

5.20" (H) x 17.00" (W) x 12.625" (D)

##### WEIGHT:

13 lbs.

##### COLOR:

Gray

##### OTHER FEATURES:

Output disconnected for 5 seconds  
after power on

##### FEATURES:

- 7 channel mixing system
- 20-20 kHz frequency response
- Bridging input/output
- Dedicated program input
- Contour switch (special equalization)
- Bass and Treble controls
- Plug in module capability
- Rack-mountable or stand alone package (rack-mount kit optional)

##### DESCRIPTION:

The Architectural Acoustics MPA™ 700T is a high quality mixer/preamp with seven input channels. Each channel provides a level control and the master output section features bass and treble EQ controls (defeatable), and special equalization contour.

The MPA 700 provides unmatched application flexibility with an array of optional plug-in modules, allowing each system to be tailor-made for specialized installations. Input modules may be loaded in as required for varying sound reinforcement applications, number of input channels, special functions, etc.

The program input includes a level control and is totally separate from the other six channels. External signals may be patched in at this point as a system auxiliary input or the seventh input channel. Signals appearing at this input are routed directly to the master summing amplifier stage and are mixed with signals from the other six channels. Systems requiring a single input may use the program input and the purchase of an input module is not necessary. The program level control regulates the level of this input and the signal is routed through the system bass and treble controls.

The MPA 700T is packaged as a stand-alone unit but will also rack-mount into a standard 19" rack.

#### **ARCHITECTURAL AND ENGINEERING SPECIFICATIONS:**

The mixer preamplifier shall have six modular inputs and one dedicated program input. The program input shall have dual RCA phono connectors (paralleled). The master section shall include a master volume control, two EQ controls providing 10 dB of boost or cut at 100 Hz and 10 kHz, a "contour" circuit providing 6 dB of boost at 100 Hz and 10 kHz, and a bi-color status LED. Internal muting shall be accomplished at the modular level by means of a dedicated mute line. External muting shall be accomplished via screw terminals on the back panel. The unit shall be packaged in a rugged metal chassis 17" wide by 5.2" tall by 12.625" deep (including barrier strips). The unit shall operate from 120 volts AC, 60 Hz

power. The internal amplifier shall be capable of delivering +19 dBm. The unit shall be capable of delivering rated output width system hum and noise at least 77 dB below rated power. The unit shall be a Peavey Architectural Acoustics Division Model MPA 700T.

#### **LIMITED WARRANTY**

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

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Features and specifications subject to change without notice.

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711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5376 / Telex 504115 / Fax 486-1278

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